

Abstract

The random number generating apparatus includes as a random number generation block: an A/D converter for converting a pick-up signal output from a pick-up block, into a digital image; a memory where the digital image is stored as pixel values; and a random number generator for extracting a digital data from pixel values of a plurality of pixels within the digital image of the pick-up signal output when no subject is present from the pick-up block stored in the memory and generating a random number from the digital data correlated to the plurality of pixels. Thus, it is possible to generate a random number having a long periodicity.